

Minutes of the Exchange of Information Meeting
Colorado Department of Health
EG&G Rocky Flats, Inc.



000025649

Date: 30 July 1991

Location: Broomfield City Council
Chambers

Attendees:

J. Martin
A. Lange
H. Mahan
M. Andrus
S. Bernia
J. Krupansky
R. Fox
A. Hazle
L. Harrison
R. Terry
C. Franklin
G. Hill
F. Blaha
B. Crocker
L. Dunstan
D. Elliott
S. Ford
T. Morrow
G. Setlock
A. Winzent-Dichard
H. Wolaver
K. Korkia

- ACNFS Member/Univ. of Mich.
- Chem Hill
- City of Broomfield
- City of Broomfield
- City of Westminster
- Citizen
- Colorado Dept. of Health - RFPU
- Colorado Dept. of Health - RFPU
- Colorado Dept. of Health - RCD
- Colorado Dept. of Health - RCD
- Dept. of Energy
- Dept. of Energy
- Doty and Associates
- EG&G Rocky Flats, Inc.
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- EG&G Rocky Flats, Inc.
- Rocky Flats Cleanup Commission

G. Setlock reported that there were no changes to the List of Radioactive Materials Associated with Rocky Flats Plant and distributed the Quarterly Update document.

H. Mahan presented the City of Broomfield Radiometric Monitoring Report for the June 1991 monitoring period. Samples for Volatile Organic Chemical analysis (EPA Method 502.2) were collected on June 20, 1991. Three compounds, dichlorodifluoromethane, 1,2,4-trimethylbenzene, and n-butylbenzene, were detected in very low concentrations at Walnut Creek at Indiana. These compounds are all common industrial and laboratory solvents, and data from concurrently analyzed samples suggest that these trace contaminants may have resulted from sample carryover. Methylene chloride was detected slightly above the reporting limit of 2 µg/l in Pond C-2. Methylene chloride is a very common laboratory contaminant and is frequently problematic in VOC analyses. No compounds other than disinfection by-products were detected in Broomfield's raw or finished water.

S. Bernia presented the City of Westminster Radiation Data Monthly Report for June 1991. All data in the Westminster Report were consistent and normal with what has been seen in the past. Included in the Westminster Report was a 1991 sampling schedule for Standley Lake. Four sampling sites will be included in the sampling schedule on varying frequencies of collection and analysis.

R. Terry presented the Colorado Department of Health (CDH) Environmental Surveillance Report for June 1991. All measurements in air and water were consistent with measurements that have been reported in the past. One exception to this trend was April/May/June, 1991, long-lived gross alpha data for Adams City. Adams City is directly west of Commerce City and is reporting high gross alpha numbers unrelated to Rocky Flats. Two special reports were also presented by R. Terry as part of the CDH June

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1991 report. The first outlined a hot particle analysis on a sample collected from D-1 air sampler on May 24, 1991. A measured gross alpha level of 4771 ± 174 pCi was reported along with a gross beta level of 465 ± 45 pCi. No uranium was detected and Pu-239, -240 levels were analyzed at $2.58 \pm .13$ pCi. Results of this destructive assay were inconclusive. The second special CDH report addressed analyses of a May 21, 1991, haystack fire on Jefferson County lands adjacent to the Rocky Flats Plant. CDH collected samples of soils, hay, hay ash and wipes of firemen's clothing. The highest level of Pu-239, -240 was found in the underlying soils (3.97 pCi/gm). Using very conservative assumptions, CDH calculated excess cancer risks in the .5 - 4.0 per billion range utilizing the plutonium in soils concentrations as a source term. Details of both special reports are contained on page 9 and one page supplements in the CDH June 1991 report.

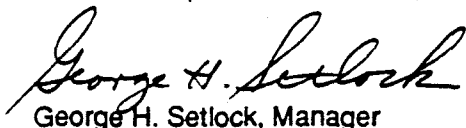
G. Setlock presented the June 1991 Rocky Flats Monthly Environmental Monitoring Report. Data reported was consistent with previously reported measurements in air and water. Sample backlogs are still being reduced due to the January - March 1991 shutdown of the 123 Analytical Laboratory. The majority of April - May 1991 surface water data has been completed and is included in Appendix C of the RFP June, 1991 report. The previous discharge of this pond was in June 1990. By mutual agreement among EPA, CDH, and the surrounding cities, water was pumped through the existing pipeline without granular activated charcoal (GAC) treatment directly to the Broomfield Diversion Ditch. Gross alpha and beta analyses from daily discharge samples were well within the Walnut Creek Colorado Water Quality Control Commission (CWQCC) standards. Quarterly tap water analyses were reported for several locations; some samples are still being analyzed. Two of the quarterly tap samples (Denver and Thornton) had plutonium concentrations above levels typically reported. As previously reported, onsite RFP ambient air samplers S-12 and S-15 are being removed from the onsite sampling network and will be relocated to the new community operated monitoring stations in the fall, 1991, as part of the initial three-station Community Radiation Monitoring Program (ComRad).

D. Elliott presented the June 1991 Engineering Update. The following General Interest Projects were included: Existing onsite nitrogen plant, Laundry Facility, Electrical Distribution System, HF Piping, Calibration Laboratory, Medical building addition, TRUPACT Shipping Facility, Office Trailers, and Sewage Treatment Plant Projects, New Medical Facility, and Integrated HS&E Building. Environmental Interest Projects included: Exhaust Plenum Modifications (on hold, Bldg. 771), FU-1 Plenum (Bldg. 771), FU-2B Plenum (on hold, Bldg. 771), Ventilation System Building Supply Replacement (Bldg. 771), Interim Remedial Action for the 881 Hillside, CDH Air Sampling Stations, Air Pollution Emission Notices (APENs) Study, Supercompactor (Bldg. 776), Plutonium Recovery Modification Project (on hold, Bldg. 371), and Tent shelter at Pond A-4.

There were no changes to the monitoring programs for the Cities of Broomfield, Westminster, CDH or RFP. In response to previous questions concerning NPDES/FFCA changes to RFP surface water monitoring, H. Wolaver, Rocky Flats Plant, presented a special agenda item on the surface water biological monitoring program.

One new special agenda item was also announced by CDH for the August 1991 meeting - "Density Thickness Correction Factors in Measurement of Gross Alpha and Beta in Water" by L. A. Harrison.

The next Information Exchange Meeting will be held at 1:30 pm Tuesday, August 27, 1991, at the Colorado Department of Health, Denver, Colorado, Room 150.



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EG&G Rocky Flats, Inc.